

02172002 LAKE MOULTRIE TAILRACE CANAL AT MONCK'S CORNER, SC--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 2004 to September 2004.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: March 2004 to September 2004.

DISSOLVED OXYGEN: March 2004 to September 2004.

INSTRUMENTATION.--Water-quality multiprobe and data collection platform.

REMARKS.-- Temperature records rated excellent. Dissolved oxygen records rated excellent except for May 2-19, which are good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 30.1°C, July 6, 2004; minimum, 13.3°C, March 25-27, 2004.

DISSOLVED OXYGEN: Maximum, 11.1 mg/L, Mar. 24, 2004; minimum, 3.2 mg/L, June 3, 15, July 13, 29, 2004.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 30.1°C, July 6; minimum, 13.3°C, March 25-27.

DISSOLVED OXYGEN: Maximum, 11.1 mg/L, Mar. 24; minimum, 3.2 mg/L, June 3, 15, July 13, 29.

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	15.9	15.2	15.6	20.3	19.4	19.9
2	---	---	---	---	---	---	15.8	15.2	15.4	20.4	19.9	20.2
3	---	---	---	---	---	---	16.0	14.8	15.2	22.0	19.8	20.9
4	---	---	---	---	---	---	15.8	14.9	15.3	21.2	20.7	20.9
5	---	---	---	---	---	---	15.9	14.9	15.4	22.3	20.5	21.0
6	---	---	---	---	---	---	15.9	15.2	15.4	23.1	20.6	21.2
7	---	---	---	---	---	---	16.6	15.1	15.5	21.5	20.8	21.1
8	---	---	---	---	---	---	16.4	15.4	15.7	21.9	20.9	21.2
9	---	---	---	---	---	---	16.6	15.5	15.9	21.6	20.8	21.1
10	---	---	---	---	---	---	16.3	15.3	15.7	22.0	20.7	21.2
11	---	---	---	---	---	---	16.7	15.3	15.7	22.0	21.1	21.4
12	---	---	---	---	---	---	16.3	15.5	15.8	21.9	21.2	21.6
13	---	---	---	---	---	---	16.9	15.5	16.2	22.1	21.2	21.5
14	---	---	---	---	---	---	16.8	16.3	16.5	22.0	21.3	21.7
15	---	---	---	---	---	---	17.2	16.0	16.5	22.4	21.6	21.9
16	---	---	---	---	---	---	17.6	16.2	16.7	22.5	21.7	22.1
17	---	---	---	---	---	---	17.4	16.3	16.7	23.9	22.1	22.5
18	---	---	---	---	---	---	17.6	16.5	16.9	23.4	22.1	22.3
19	---	---	---	---	---	---	19.3	16.6	17.6	23.2	22.0	22.5
20	---	---	---	---	---	---	18.0	17.4	17.6	23.8	22.6	23.1
21	---	---	---	---	---	---	18.2	17.5	17.7	23.9	23.1	23.5
22	---	---	---	---	---	---	18.8	17.6	17.8	24.9	22.8	23.8
23	---	---	---	---	---	---	19.0	17.7	18.3	24.4	23.3	23.7
24	---	---	---	14.8	13.4	13.8	19.4	18.4	18.8	24.8	23.4	24.1
25	---	---	---	14.6	13.3	13.7	19.4	18.1	18.7	25.0	23.3	24.3
26	---	---	---	14.6	13.3	13.7	19.9	17.7	19.0	25.7	23.6	25.0
27	---	---	---	15.1	13.3	13.8	21.3	19.1	20.0	26.5	24.4	25.7
28	---	---	---	15.4	13.6	14.1	22.3	20.0	21.1	26.4	24.5	25.9
29	---	---	---	15.3	13.6	14.3	20.2	19.6	19.9	26.4	24.7	25.8
30	---	---	---	15.0	14.5	14.7	20.1	19.1	19.8	25.8	24.3	25.5
31	---	---	---	15.7	14.5	15.1	---	---	---	26.8	24.4	26.0
MONTH	---	---	---	---	---	---	22.3	14.8	17.1	26.8	19.4	22.7

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Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	27.2	25.4	26.4	28.1	27.8	28.0	29.1	28.8	28.9	27.0	26.0	26.2
2	27.6	25.1	26.4	28.2	27.7	28.0	29.4	28.8	28.9	26.4	26.1	26.2
3	26.7	24.2	26.0	28.5	27.8	28.1	29.4	28.7	29.0	26.7	26.0	26.3
4	26.3	24.9	25.9	28.6	28.0	28.3	29.9	29.0	29.3	27.1	26.2	26.4
5	27.0	25.1	26.2	29.0	28.2	28.6	29.8	29.0	29.2	26.6	26.1	26.4
6	26.7	25.1	26.5	30.1	28.7	29.0	29.2	28.7	28.9	26.3	26.1	26.2
7	26.9	25.3	26.4	29.7	28.4	28.9	28.8	28.1	28.5	26.2	26.0	26.1
8	26.8	25.5	26.3	29.4	28.5	29.0	28.5	27.7	28.0	26.5	26.0	26.2
9	26.6	25.6	26.2	29.1	28.5	28.9	27.9	27.4	27.7	26.9	25.9	26.3
10	27.9	26.2	26.7	29.4	28.7	28.9	28.4	27.3	27.7	26.7	26.3	26.4
11	27.4	25.9	26.8	29.7	28.7	28.9	---	---	---	26.3	26.1	26.2
12	27.8	26.0	27.2	29.6	28.6	28.9	28.0	27.4	27.6	26.4	25.8	26.0
13	26.9	25.8	26.6	29.1	28.4	28.7	27.4	27.1	27.3	26.0	25.8	25.9
14	26.8	25.9	26.6	29.7	28.6	29.0	27.5	26.8	27.1	25.8	25.6	25.7
15	26.7	26.2	26.5	29.8	29.2	29.4	27.4	26.8	27.0	25.6	25.3	25.5
16	27.5	26.5	26.8	29.8	29.1	29.4	27.6	26.6	26.9	25.8	25.1	25.3
17	27.5	26.5	26.9	30.0	28.9	29.2	27.4	26.8	27.0	25.5	25.1	25.2
18	28.0	26.6	27.2	29.0	28.6	28.8	27.3	26.7	26.8	25.7	25.0	25.3
19	28.1	27.2	27.6	29.3	28.6	28.9	27.2	26.6	26.8	25.3	24.6	24.9
20	28.6	27.6	27.9	29.7	28.6	28.9	27.6	26.9	27.1	24.6	23.8	24.3
21	28.3	27.0	27.6	29.4	28.6	28.8	27.6	27.0	27.3	24.2	23.4	23.7
22	28.4	27.1	27.6	29.1	28.4	28.7	27.9	27.2	27.4	24.0	23.1	23.3
23	28.7	27.5	28.2	29.1	28.5	28.8	27.7	27.3	27.4	23.8	23.0	23.3
24	29.1	28.0	28.5	29.8	28.8	29.1	27.9	27.1	27.4	23.5	23.0	23.2
25	28.6	27.8	28.4	29.6	28.9	29.2	27.6	27.1	27.4	24.0	23.2	23.4
26	28.6	28.0	28.2	29.9	28.9	29.2	27.8	27.2	27.4	23.6	23.2	23.3
27	28.9	28.0	28.2	29.9	28.7	29.0	27.7	27.3	27.5	23.7	23.1	23.3
28	28.6	27.8	28.1	29.8	28.7	28.9	27.7	27.4	27.5	23.9	23.3	23.6
29	28.3	28.0	28.1	29.2	28.6	28.8	27.5	24.8	26.7	24.4	23.7	23.9
30	28.9	27.8	28.0	29.1	28.4	28.8	26.7	24.7	25.8	24.3	23.8	24.0
31	---	---	---	29.2	28.6	28.9	26.7	26.2	26.4	---	---	---
MONTH	29.1	24.2	27.1	30.1	27.7	28.8	---	---	---	27.1	23.0	25.1

DAY	Dissolved oxygen, water, unfiltered, milligrams per liter											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	---	---	---	10.3	9.8	10.2	7.9	7.1	7.5
2	---	---	---	---	---	---	10.2	9.4	10.0	8.0	7.2	7.6
3	---	---	---	---	---	---	10.2	9.5	9.9	9.2	7.2	8.2
4	---	---	---	---	---	---	10.3	9.3	9.9	9.2	8.5	8.9
5	---	---	---	---	---	---	10.2	9.5	9.9	9.6	8.5	8.9
6	---	---	---	---	---	---	10.1	9.6	9.8	9.4	7.9	8.7
7	---	---	---	---	---	---	10.0	9.1	9.7	9.3	8.3	8.8
8	---	---	---	---	---	---	10.1	8.8	9.5	8.9	7.9	8.4
9	---	---	---	---	---	---	9.9	9.0	9.5	9.0	7.1	8.2
10	---	---	---	---	---	---	9.8	8.6	9.1	8.8	6.8	8.0
11	---	---	---	---	---	---	9.5	8.0	8.9	8.8	6.7	7.8
12	---	---	---	---	---	---	9.3	8.2	8.9	8.4	6.7	7.5
13	---	---	---	---	---	---	9.6	8.2	8.7	8.0	6.5	7.1
14	---	---	---	---	---	---	9.8	8.9	9.4	7.8	6.1	7.0
15	---	---	---	---	---	---	10.0	9.0	9.6	7.7	5.9	6.8
16	---	---	---	---	---	---	10.3	9.2	9.8	7.3	5.9	6.6
17	---	---	---	---	---	---	10.1	9.0	9.5	7.2	5.5	6.4
18	---	---	---	---	---	---	9.9	8.7	9.4	7.0	5.7	6.3
19	---	---	---	---	---	---	10.0	9.0	9.5	6.9	5.3	6.0
20	---	---	---	---	---	---	9.8	9.1	9.3	7.1	5.2	6.4
21	---	---	---	---	---	---	9.6	8.6	9.2	6.8	5.6	6.5
22	---	---	---	---	---	---	9.2	8.2	8.7	6.7	4.7	6.1
23	---	---	---	---	---	---	9.4	7.8	8.8	6.2	5.1	5.8
24	---	---	---	11.1	9.8	10.4	9.5	8.3	8.8	6.4	4.8	5.9
25	---	---	---	10.8	9.3	10.3	9.0	7.6	8.5	6.6	4.5	5.7
26	---	---	---	10.8	8.9	10.1	8.7	6.9	8.2	7.0	5.5	6.2
27	---	---	---	10.6	8.8	10.1	9.9	7.9	8.7	7.7	5.3	6.7
28	---	---	---	10.7	8.9	10.1	9.8	8.3	9.2	7.3	6.0	6.7
29	---	---	---	10.4	9.4	10.0	8.4	7.7	8.2	6.6	4.8	6.2
30	---	---	---	10.6	9.9	10.3	8.1	7.0	7.8	6.0	4.1	5.6
31	---	---	---	10.5	9.8	10.2	---	---	---	7.1	4.7	5.9
MONTH	---	---	---	---	---	---	10.3	6.9	9.2	9.6	4.1	7.0

COOPER RIVER BASIN

02172002 LAKE MOULTRIE TAILRACE CANAL AT MONCK'S CORNER, SC--Continued

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN									
1	6.8	4.5	6.1	6.6	5.7	6.3	6.9	5.0	6.0	6.9	6.0	6.4
2	6.4	4.0	5.8	6.8	5.0	6.2	6.9	5.2	6.3	6.6	6.0	6.3
3	6.3	3.2	5.2	6.5	5.7	6.1	7.7	5.1	6.9	7.4	5.9	6.5
4	5.7	3.4	5.0	6.5	5.8	6.2	7.7	6.4	7.1	7.9	6.7	7.0
5	6.8	3.8	5.5	7.0	5.2	6.2	7.2	6.4	6.9	7.7	6.5	7.0
6	6.5	4.8	5.7	7.6	4.5	6.4	7.3	6.3	6.8	7.2	6.1	6.7
7	6.3	3.7	5.6	6.5	4.6	6.0	7.5	6.7	7.0	7.3	6.2	6.9
8	5.7	3.7	5.0	6.6	4.3	5.8	7.6	6.4	6.9	7.6	6.7	7.1
9	6.4	3.6	4.9	6.2	4.5	5.5	7.0	5.8	6.6	8.0	6.6	7.3
10	7.0	5.1	6.1	6.2	4.8	5.7	7.2	6.0	6.6	7.8	6.5	7.2
11	6.6	5.0	6.1	5.7	4.1	5.4	7.0	5.8	6.5	7.0	5.6	6.7
12	7.1	5.1	6.2	5.8	3.6	5.0	7.3	5.8	6.7	7.5	6.1	6.7
13	6.3	3.5	5.1	5.5	3.2	4.5	7.2	5.8	6.5	7.2	5.9	6.6
14	6.2	3.4	5.2	6.1	3.7	4.9	7.1	5.7	6.4	7.4	5.9	6.8
15	6.2	3.2	4.6	6.9	4.5	5.8	7.2	5.6	6.6	7.9	6.4	7.1
16	6.7	3.5	5.3	7.0	5.4	6.3	7.2	6.0	6.7	7.9	6.2	7.0
17	7.1	3.8	5.4	6.5	4.0	5.4	7.6	6.2	6.8	7.6	6.0	6.8
18	7.3	3.5	5.8	5.4	3.4	4.4	6.8	5.2	6.3	8.1	6.6	7.4
19	7.7	4.4	6.4	6.0	3.7	5.1	7.3	4.6	6.2	8.4	7.0	7.8
20	8.0	4.3	6.7	5.8	3.9	4.9	7.0	5.6	6.3	8.9	7.0	7.9
21	7.7	4.3	6.4	5.5	3.6	4.5	7.0	5.0	6.3	8.6	6.7	7.7
22	8.1	4.1	6.3	5.3	3.3	4.6	7.7	5.1	6.4	8.3	6.2	7.6
23	7.4	5.0	6.4	5.3	3.7	4.5	7.1	5.4	6.5	8.6	6.4	7.6
24	7.5	6.1	6.9	6.0	3.7	5.2	7.0	5.0	6.1	8.3	6.8	7.7
25	6.7	5.0	6.4	6.6	4.3	5.4	7.1	4.5	6.3	8.7	6.7	7.8
26	7.2	5.4	6.6	6.1	4.0	5.2	7.2	4.9	6.3	8.3	6.6	7.5
27	7.3	6.2	6.7	5.8	3.5	4.7	7.7	4.8	6.8	8.0	6.1	7.3
28	7.7	4.3	6.6	4.9	3.4	4.2	7.6	5.8	7.1	8.4	6.3	7.6
29	7.3	5.8	6.9	5.1	3.2	4.2	7.8	6.3	7.2	8.4	6.7	7.9
30	7.3	5.9	6.5	---	---	---	7.5	5.5	6.6	8.3	6.6	7.6
31	---	---	---	6.1	4.1	5.2	6.7	6.3	6.5	---	---	---
MONTH	8.1	3.2	5.9	---	---	---	7.8	4.5	6.6	8.9	5.6	7.2